

From: "Coffey, Scott" <CoffeySE@cdmsmith.com>  
To: "Zhen, Davis" <Zhen.Davis@epa.gov>  
"Sheldrake, Sean" <sheldrake.sean@epa.gov>  
CC: [younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)  
"Greazel, Andrew" <GreazelAD@cdmsmith.com>  
Date: 3/26/2018 5:45:06 PM  
Subject: Need for Horizontal and Vertical Station Control SOP

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Hi Davis.

We do need their SOP, or at a minimum we need to get a clear understanding from them on their Horizontal and Vertical Station Control approach before they mobilize for the Surface Sediment sampling.

So, we'll need to meet with them about this before they can mobilize and at the same time we can cover the TSHA clarifications as well. I've extracted and reinserted the same bullets from our table (with a slight modification to the first bullet from what was provided in the table).

- The JHA calls out that the vessel operator will submit a Float Plan to the AECOM PM. The JHA states that the Float Plan will include a Communication Plan as well. Neither of these plans were included in the JHA, but it seems like we should receive a copy of these plans so that oversight staff can read them before work begins. It could be that Gravity's H&S and Environmental Plan is the float and communication plan (it seems like it could fit those requirements). This needs clarification.
- The HASP Addendum presents conflicting information on which type of PFD should be worn and the correct PFD type should be identified.
- The JHA should describe air monitoring during surface sediment sampling in Table 4.
- Safety glasses and a hard hat must be included as PPE for operators of the Van Veen.
- Steel toed rubber safety boots or boot covers must be used for workers entering the exclusion and contamination reduction zone on the research vessel and field processing laboratory.
- HAZWOPER must be listed as required training per the requirements of the Programmatic HASP.

*Scott Coffey, L.Hg.*  
*Hydrogeologist*

CDM Smith | consulting engineering construction operations  
14432 SE Eastgate Way, Suite 100 | Bellevue, WA 98007  
phone: (425) 519-8320 | mobile (206) 503-1512  
email: [coffeyse@cdmsmith.com](mailto:coffeyse@cdmsmith.com) | [www.cdmsmith.com](http://www.cdmsmith.com)